

P a t e n t   C l a i m s

1.     Method for checking bank notes, in which data from at least two different measurements of the bank notes to be checked are evaluated,  
  
characterized in that  
  
a first property of the bank note to be checked is derived from the data of at least one first measuring,  
  
at least one second property of the bank note to be checked is derived from the data of at least one second measuring,  
  
a correlation between first and at least second property for the same places on the bank note to be checked is determined, and  
  
the first property is derived once again, wherein at places of the bank note to be checked, for which a correlation between the first and the at least second property was determined, an altered derivation of the first property is effected from the data of the at least first measuring.
2.     Method according to claim 1, characterized in that with the altered derivation data of places with a correlation are not taken into account.
3.     Method according to claim 1 or 2, characterized in that with the measurements data for at least one side of the bank note to be checked are generated.
4.     Method according to claim 3, characterized in that data for the complete side of the bank note to be checked are generated.
5.     Method according to any of claims 1 to 4, characterized in that the first property is a soiling of the bank notes to be checked.

6. Method according to any of claims 1 to 5, characterized in that the first measuring is an optical measuring.
7. Method according to any of claims 1 to 6, characterized in that the second property is a damage of the bank notes to be checked.
8. Method according to any of claims 1 to 7, characterized in that the second measuring is an optical and/or acoustic measuring.
9. Apparatus for checking bank notes having at least two sensors (31, 32, 33), the data of which are evaluated for the checking of bank notes by a control device (35),  
  
characterized in that  
  
the control device (35) derives a first property of the bank note to be checked from the data of at least one first sensor (31),  
  
the control device (35) derives at least one second property of the bank note to be checked from the data of at least one second sensor (32, 33),  
  
the control device (35) determines a correlation between first and at least second property for the same places on the bank note to be checked, and  
  
the control device (35) once again derives the first property, wherein at places of the bank note to be checked, for which a correlation between the first and the at least second property was determined, an altered derivation of the first property is effected from the data of the at least first sensor (31).
10. Apparatus according to claim 9, characterized in that with the altered derivation the control device (35) does not take into account data of the at least first sensor (31) relating to places with a correlation.
11. Apparatus according to claim 9 or 10, characterized in that the sensors (31, 32, 33) generate data for at least one side of the bank note to be checked.

12. Apparatus according to claim 11, characterized in that the sensors (31, 32, 33) generate data for the complete side of the bank note to be checked.
13. Apparatus according to any of claims 9 to 12, characterized in that the first property is a soiling of the bank notes to be checked.
14. Apparatus according to any of claims 9 to 13, characterized in that the first sensor (31) is an optical sensor.
15. Apparatus according to any of claims 9 to 14, characterized in that the second property is a damage of the bank notes to be checked.
16. Apparatus according to any of claims 9 to 15, characterized in that the second sensor (32, 33) is an optical (32) and/or acoustic sensor (33).